

JUL 29 2014

**MEMORANDUM**

**SUBJECT:** Request for Approval of Third Five-Year Review Report, Missouri Electric Works Site, Cape Girardeau, Missouri

**FROM:** Dan Gravatt, Remedial Project Manager  
Missouri/Kansas Remedial Branch

**THRU:** Jeffrey L. Field, Chief  
Missouri/Kansas Remedial Branch

**TO:** Cecilia Tapia, Director  
Superfund Division

Attached for your approval is the third Five-Year Review Report for the Missouri Electric Works site in Cape Girardeau, Missouri. The remedy selected for OU-1 (soils) in the 1990 OU-1 ROD was thermal treatment of PCBs, and this remedy was completed in 2000. The remedy selected for OU-2 (groundwater) in the 2005 OU-2 ROD was a technical impracticability waiver for the fractured bedrock aquifer and enhanced in-situ bioremediation (with a contingent remedy of monitored natural attenuation) for the alluvial aquifer, but this remedy has not yet been implemented due to lengthy negotiations with the PRPs on a Consent Decree to perform the work. The contingent MNA remedy for the alluvial aquifer was formally selected in an Explanation of Significant Differences in November 2013. OU-3 (wetlands) has not yet been fully investigated and requires an RI/FS. Although OU-3 has no remedy and thus does not need to be reviewed, information on OU-3 is included in this report so it can also serve as a site-wide status update.

The sampling of soil, groundwater and fish tissue conducted for this Five-Year Review in March, 2014 found PCBs in surface soil on the former MEW property in excess of the 10 milligrams per kilogram cleanup standard from the 1990 OU-1 ROD. The Five-Year Review recommends additional sampling to confirm this detection and delineate the impacted area. This additional work will be completed as an addendum to the third Five-Year Review by July 31, 2016. At that time, a revised protectiveness statement will be issued to address long-term protectiveness of the OU-1 remedy.

For the reasons outlined above, the third Five-Year Review determined that the protectiveness of the OU-1 and OU-2 remedies is deferred.

Attachment

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Superfund

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Gravatt

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